iiyama
Vision&Technology

USER MANUAL

ProLite

LCD Monitor

ENGLISH

DEUTSCH

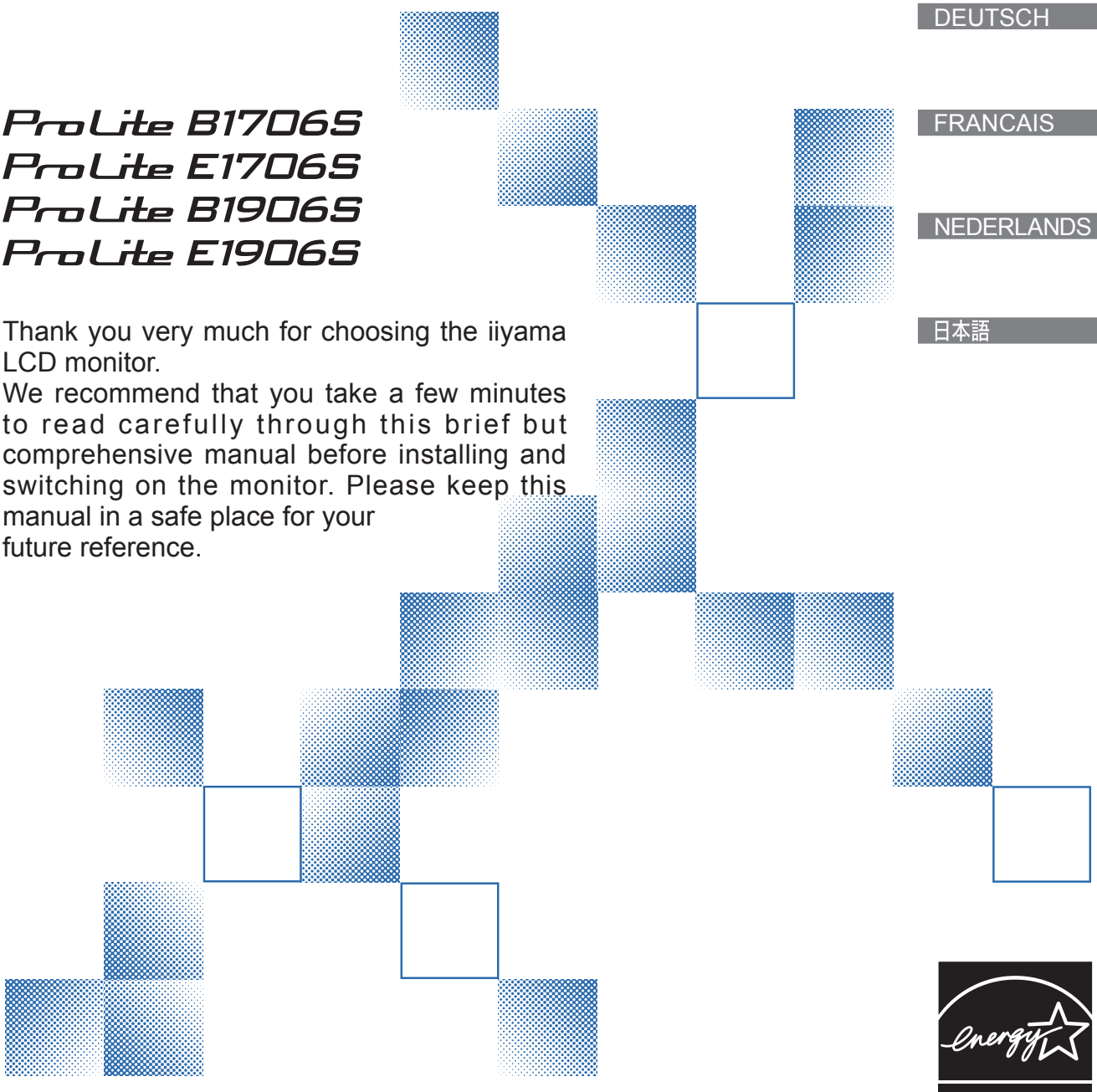
FRANCAIS

NEDERLANDS

日本語

ProLite B1706S
ProLite E1706S
ProLite B1906S
ProLite E1906S

Thank you very much for choosing the iiyama LCD monitor.
We recommend that you take a few minutes to read carefully through this brief but comprehensive manual before installing and switching on the monitor. Please keep this manual in a safe place for your future reference.



energy
ENERGY STAR

iiyama | Servicecard

Dear user, we congratulate you on the purchase of your iiyama LCD.

All iiyama LCD monitors comply with the ISO13406-2 standard for pixel defects.
For details on warranty and locally used pixel policies that apply directly after installation of your product please check the iiyama website.
In case of a defect, please call your local support hotline.

Country	Phone Number	Country	Phone Number
Austria	+49 1805 44 92 62	**Latvia**	0 7408838
Belgium	+31 30 240 80 20	**Lithuania**	0 37 328442; 0 52 2101160
Bulgaria	0 2 9880300	**Norway**	+45 96 360 374
Czech Republik	220 121 432	**Poland**	0 801 449262
Denmark	0 96 360 374	**Portugal**	800 834 196
Estonia	0 6671796	**Romania**	0 21 210 38 09 33
Finland	0 9 56186130	**Russia, Kaliningrad**	0 4012631061
France	0 825 828 936	**Slovak Republik**	0 244 648 151
Germany	0 1805 44 92 62	**Spain**	902 014 909
Great Britain	0 870 224 95 95	**Sweden**	0 13 20 14 20
Greece	0 210 289 2000	**The Netherlands**	0 900-6664867
Hungary	06 1 814 8080; 06 1 340 9951	**Ukraine**	0 44 458 38 70
Italy	+49 1805 44 92 62		

Things to check before you call the iiyama information line

- | if the power cable is connected securely and turned on?
- | if the display has been turned on?
- | if the signal cable is connected securely and the correct input selected?
- | if the computer has been restarted with the display connected?
- | if the graphics card is correctly installed with the latest drivers possible?
- | if the correct native resolution has been selected via 'Display Properties'?
- | If the R/G/B signal configuration is correct?
- | if the displays On Screen Menu is shown?
- | if the correct brightness and contrast settings have been set?
- | if given display tolerances and compatibility have been considered?
- | if via the On Screen Menu you have performed a Factory Reset/Recall?

If you have checked all of the above and there is still no picture, call our information line for assistance in your country.

Before reporting the screen defect, please prepare the following information/evidence:

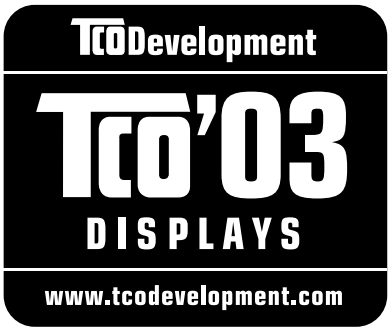
- | model number *
- | purchase receipt and serial number *
- | short description of the defect

Important Note:

If there is no fault found in the collected equipment after inspection, the transferring party shall incur charges for transport and administration.

* see the identification plate on the back of the case.

TCODevelopment



Congratulations!

The display you have just purchased carries the TCO'03 Displays label. This means that your display is designed, manufactured and tested according to some of the strictest quality and environmental requirements in the world. This makes for a high performance product, designed with the user in focus that also minimizes the impact on our natural environment.

Some of the features of the TCO'03 Display requirements:

Ergonomics

- Good visual ergonomics and image quality in order to improve the working environment for the user and to reduce sight and strain problems. Important parameters are luminance, contrast, resolution, reflectance, colour rendition and image stability.

Energy

- Energy-saving mode after a certain time – beneficial both for the user and the environment
- Electrical safety

Emissions

- Electromagnetic fields
- Noise emissions

Ecology

- The product must be prepared for recycling and the manufacturer must have a certified environmental management system such as EMAS or ISO 14 001
- Restrictions on
  - o chlorinated and brominated flame retardants and polymers
  - o heavy metals such as cadmium, mercury and lead.

The requirements included in this label have been developed by TCO Development in cooperation with scientists, experts, users as well as manufacturers all over the world. Since the end of the 1980s TCO has been involved in influencing the development of IT equipment in a more user-friendly direction. Our labelling system started with displays in 1992 and is now requested by users and IT-manufacturers all over the world.

For more information, please visit
www.tcodevelopment.com

CE MARKING DECLARATION OF CONFORMITY

This LCD monitor complies with the requirements of the EC Directive 2004/108/EC “EMC Directive” and 2006/95/EC “Low Voltage Directive”.

The electro-magnetic susceptibility has been chosen at a level that gives correct operation in residential areas, business and light industrial premises and small-scale enterprises, inside as well as outside of the buildings. All places of operation are characterised by their connection to the public low voltage power supply system.

- We reserve the right to change specifications without notice.
- All trademarks used in this user manual are the property of their respective owners.
- As an ENERGY STAR® Partner, iiyama has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

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We recommend recycling of used product. Please contact your dealer or iiyama service center. Recycle information is obtained via the Internet, using the address: http://www.iiyama.com

You can access the Web page of different countries from there.

FOR YOUR SAFETY

SAFETY PRECAUTIONS

WARNING

STOP OPERATING THE MONITOR WHEN YOU SENSE TROUBLE

If you notice any abnormal phenomena such as smoke, strange sounds or fumes, unplug the monitor and contact your dealer or iiyama service center immediately. Further use may be dangerous and can cause fire or electric shock.

NEVER REMOVE THE CABINET

High voltage circuits are inside the monitor. Removing the cabinet may expose you to the danger of fire or electric shock.

DO NOT PUT ANY OBJECT INTO THE MONITOR

Do not put any solid objects or liquids such as water into the monitor. In case of an accident, unplug your monitor immediately and contact your dealer or iiyama service center. Using the monitor with any object inside may cause fire, electric shock or damage.

INSTALL THE MONITOR ON A FLAT, STABLE SURFACE

The monitor may cause an injury if it falls or is dropped.

DO NOT USE THE MONITOR NEAR WATER

Do not use where water may be splashed or spilt onto the monitor as it may cause fire or electric shock.

OPERATE UNDER THE SPECIFIED POWER SUPPLY

Be sure to operate the monitor only with the specified power supply. Use of an incorrect voltage will cause malfunction and may cause fire or electric shock.

PROTECT THE CABLES

Do not pull or bend the power cable and signal cable. Do not place the monitor or any other heavy objects on the cables. If damaged, the cables may cause fire or electric shock.

ADVERSE WEATHER CONDITIONS

It is advisable not to operate the monitor during a heavy thunder storm as the continual breaks in power may cause malfunction. It is also advised not to touch the plug in these circumstances as it may cause electric shock.

CAUTION

INSTALLATION LOCATION
Do not install the monitor where sudden temperature changes may occur, or in humid, dusty or smoky areas as it may cause fire, electric shock or damage. You should also avoid areas where the sun shines directly on the monitor.

DO NOT PLACE THE MONITOR IN A HAZARDOUS POSITION
The monitor may topple and cause injury if not suitably located. Please also ensure that you do not place any heavy objects on the monitor, and that all cables are routed such that children may not pull the cables and possibly cause injury.

MAINTAIN GOOD VENTILATION
Ventilation slots are provided to keep the monitor from overheating. Covering the slots may cause fire. To allow adequate air circulation, place the monitor at least 10 cm (or 4 inches) from any walls.
Do not remove the tilt stand when operating the monitor. Ventilation slots on the back of the cabinet will be blocked and the monitor may overheat if the stand is removed. This may cause fire or damage. Operating the monitor on its back, side, upside down or on a carpet or any other soft material may also cause damage.

DISCONNECT THE CABLES WHEN YOU MOVE THE MONITOR
When you move the monitor, turn off the power switch, unplug the monitor and be sure the signal cable is disconnected. If you do not disconnect them, it may cause fire or electric shock.

UNPLUG THE MONITOR
If the monitor is not in use for a long period of time it is recommended that it is left unplugged to avoid accidents.

HOLD THE PLUG WHEN DISCONNECTING
To disconnect the power cable or signal cable, always pull it by the plug. Never pull on the cable itself as this may cause fire or electric shock.

DO NOT TOUCH THE PLUG WITH WET HANDS
Pulling or inserting the plug with wet hands may cause electric shock.

WHEN YOU INSTALL THE MONITOR ON YOUR COMPUTER
Be sure the computer is strong enough to hold the weight of the monitor, otherwise, you may damage your computer.

DO NOT PUT FLOPPY DISKS NEAR THE SPEAKERS
Magnetically recorded data, such as on a floppy disk, may become corrupted by the magnetic field produced by the speakers if the disks are placed on or near the speakers.

OTHERS

ERGONOMIC RECOMMENDATIONS
To eliminate eye fatigue, do not operate the monitor against a bright background or in a dark room. For optimal viewing comfort, the monitor should be just below eye level and 40-60 cm (16-24 inches) away from your eyes. When using the monitor over a prolonged time, a ten minute break every hour is recommended as looking at the screen continuously can cause eye strain.

SPECIAL NOTES ON LCD MONITORS

The following symptoms are normal with LCD monitors and do not indicate a problem.

NOTE

- When you first turn on the LCD monitor, the picture may not fit in the display area because of the type of computer that is used. In this case, adjust the picture position to the correct position.
- Due to the nature of the backlight, the screen may flicker during initial use. Turn off the Power Switch and then turn it on again to make sure the flicker disappears.
- You may find slightly uneven brightness on the screen depending on the desktop pattern you use.
- Due to the nature of the LCD screen, an afterimage of the previous screen may remain after switching the image, when the same image is displayed for hours. In this case, the screen is recovered slowly by changing the image or turning off the Power Switch for hours.
- Contact your dealer or iiyama service center for the backlight replacement when the screen is dark, flickering or not lighting up. Never attempt to replace it by yourself.

CUSTOMER SERVICE

NOTE

- The fluorescent light used in the LCD monitor may have to be periodically replaced. For the warranty coverage on this component, please check with local iiyama service center.
- If you have to return your unit for service and the original packaging has been discarded, please contact your dealer or iiyama service center for advice or replacement packaging.

CLEANING

WARNING

- If you drop any materials or liquids such as water into the monitor when cleaning, unplug the power cable immediately and contact your dealer or iiyama service center.

CAUTION

- For safety reasons, turn off the power switch and unplug the monitor before you clean it.

NOTE

- To protect the LCD panel, do not scratch or rub the screen with a hard object.
- Never use any of the following strong solvents. These will damage the cabinet and the LCD screen.

Thinner	Spray-type cleaner
Benzine	Wax
Abrasive cleaner	Acid or Alkaline solvent

- Touching the cabinet with any product made from rubber or plastic for a long time may cause degeneration or loss of paint on the cabinet.

CABINET Stains can be removed with a cloth lightly moistened with a mild detergent solvent. Then wipe the cabinet with a soft dry cloth.

LCD SCREEN Periodic cleaning with a soft dry cloth is recommended. Don't use tissue paper etc. because these will damage the LCD screen.

BEFORE YOU OPERATE THE MONITOR

FEATURES

- **Supports Resolutions up to 1280 × 1024**
- **High Contrast 800:1 (Typical) , ACR Function Available / Brightness 250cd/m^2 (Typical) / Quick Response Time 5ms (Typical)**
- **Digital Character Smoothing**
- **Automatic Set-up**
- **Stereo Speakers**
  2 × 1W Stereo Speakers
- **Plug & Play VESA DDC2B Compliant**
  Windows® 95/98/2000/Me/XP/Vista Compliant
- **Power Management (ENERGY STAR® VESA DPMS Compliant)**
- **Ergonomic Design: TCO '03**
- **VESA Mounting Standard (100mm×100mm) Compliant**
- **Keyhole for Security Lock**

CHEKING THE CONTENTS OF THE PACKAGE

The following accessories are included in your package. Check to see if they are enclosed with the monitor. If anything is missing or damaged, please contact your local iiyama dealer or regional iiyama office.

- Power Cable*1
- D-Sub Signal Cable
- DVI-D Cable
- Audio Cable
- Stand-Base
- Stand*2
- Screw for stand fixing*3
- User Manual

CAUTION

*1 The rating of the Power Cable enclosed in 120V area is 10A/125V. If you are using a power supply higher than this rating, then a power cable with a rating of 10A/250V must be used.However, all guarantees and warranties are void for any problems or damage caused by a power cable not supplied by iiyama.

*2 Accessory for ProLite E1706S.

*3 Accessory for ProLite B1706S / ProLite B1906S.

FITTING AND REMOVAL OF BASE : ProLite B1706S / ProLite B1906S

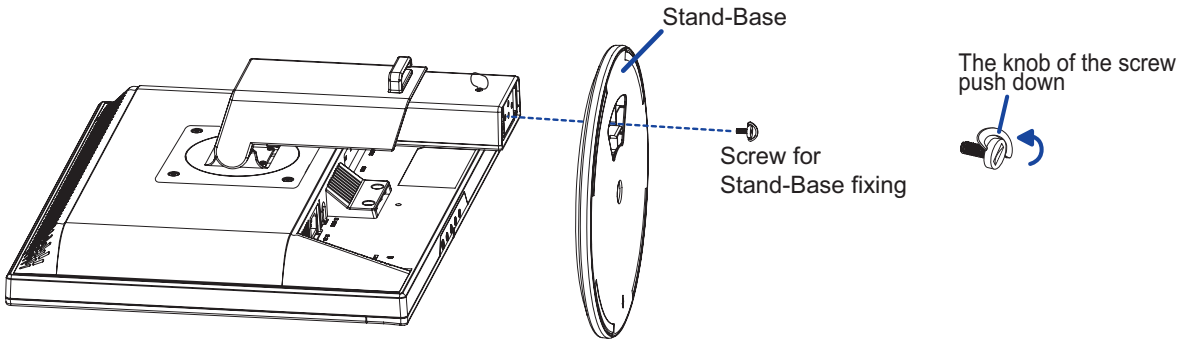
The monitor is supplied complete with a stand-base. If you prefer to wall mount the monitor, please follow the instructions below to remove the stand-base. Be sure to include the stand with the monitor if it is necessary to return the unit.

CAUTION

- Put the monitor on a stable surface. The monitor may cause injury or damage if it falls or is dropped.
- Do not give a strong impact to the monitor. It may cause damage.
- Unplug the monitor before removal or installation to avoid electric shock or damage.

<Installation>

① Put a piece of soft cloth on the table beforehand to prevent the monitor from being scratched. Lay the monitor flat on a table with front face down.
② Install the Stand-Base to the Monitor.
③ Fix the Monitor with the Stand by the screw firmly, and the knob of the screw push down.

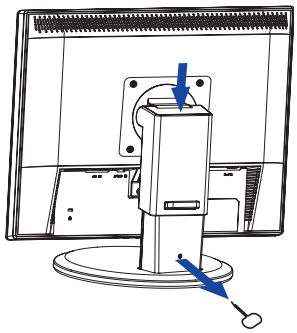


<Remove>

① Put a piece of soft cloth on the table beforehand to prevent the monitor from being scratched. Lay the monitor flat on a table with front face down.
② Pull up the knob of the screws, and remove the screw and the Stand-Base.

<Stopper pin>

Please stand the monitor and then remove the stopper pin on the back of the stand slowly while pushing top face of the stand before you install the monitor. Careful attention is required as the monitor is sprung loaded and may expand quickly when removing it.



Stopper pin

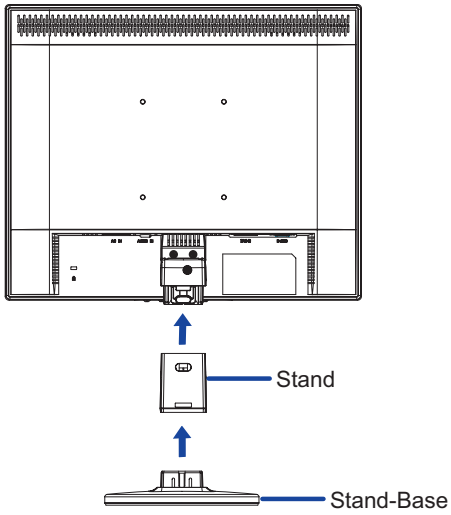
FITTING AND REMOVAL OF BASE : ProLite E1706S

CAUTION

- Install the stand on a stable surface. The monitor may cause injury or damage if it falls or is dropped.
- Do not give a strong impact to the monitor. It may cause damage.
- Unplug the monitor before installation to avoid electric shock or damage.

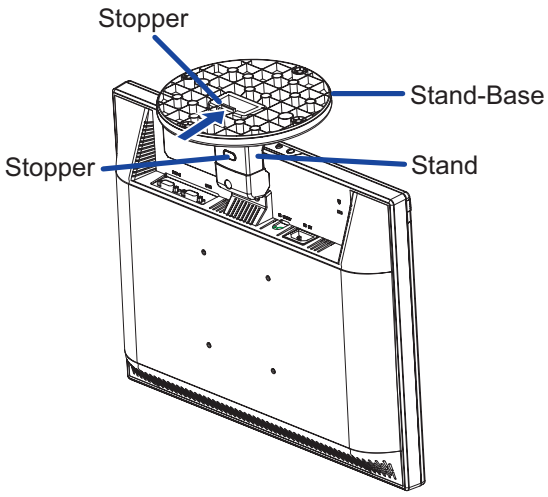
<Installation>

① Put a piece of soft cloth on the table beforehand to prevent the monitor from being scratched. Lay the monitor flat on a table with front face down.
② Hold the monitor and push the Stand.
③ Hold the monitor and push the Stand-Base.



<Remove>

① Put a piece of soft cloth on the table beforehand to prevent the monitor from being scratched. Lay the monitor flat on a table with front face down.
② Press the stopper at the bottom of the stand and remove the Stand-Base from the stand.
③ Press the stopper at the back of the stand and remove the Stand from the monitor.



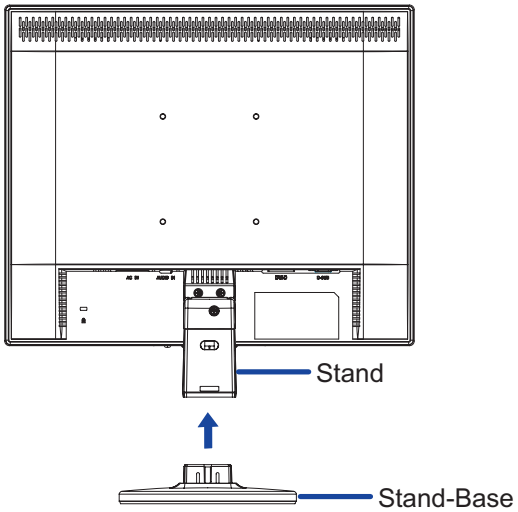
FITTING AND REMOVAL OF BASE : ProLite E1906S

CAUTION

- Install the stand on a stable surface. The monitor may cause injury or damage if it falls or is dropped.
- Do not give a strong impact to the monitor. It may cause damage.
- Unplug the monitor before installation to avoid electric shock or damage.

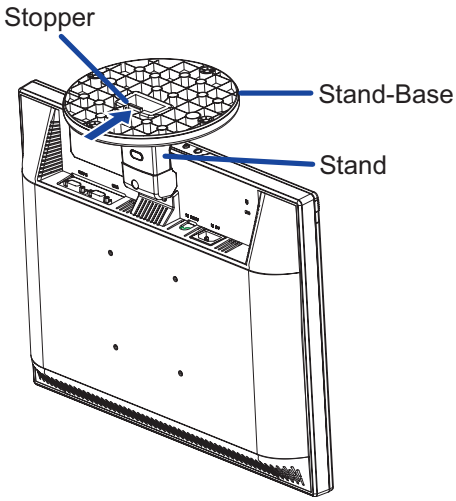
<Installation>

① Put a piece of soft cloth on the table beforehand to prevent the monitor from being scratched. Lay the monitor flat on a table with front face down.
② Hold the monitor and push the Stand-Base.

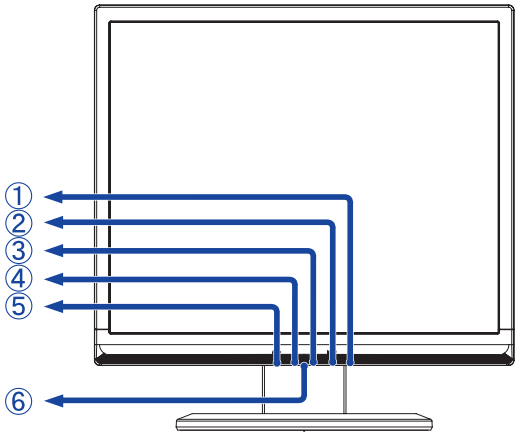


<Remove>

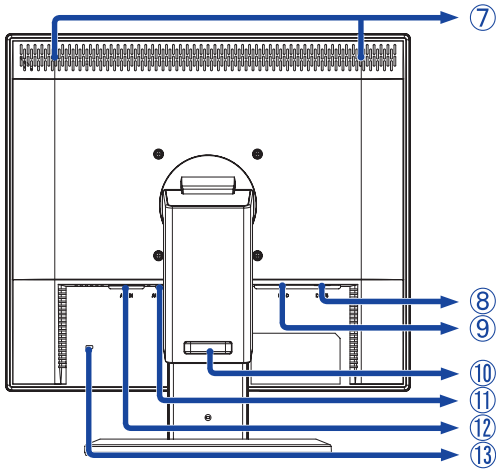
① Put a piece of soft cloth on the table beforehand to prevent the monitor from being scratched. Lay the monitor flat on a table with front face down.
② Press the stopper at the bottom of the stand and remove the Stand-Base from the arm.



CONTROLS AND CONNECTORS : ProLite B1706S / ProLite B1906S



<Front>



<Back>

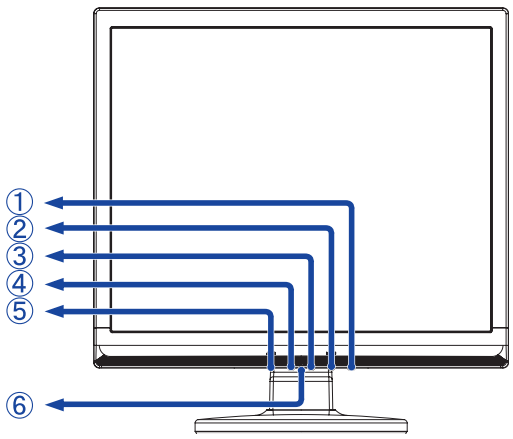
① Power Switch (⏻)
② Menu / Select Button (MENU)
③ + / Volume Button (+)
④ - / ECO Button (-)
⑤ Auto Button (AUTO)
⑥ Power Indicator

NOTE Blue: Normal operation
Orange: Power Management
The monitor enters into power management mode which reduces the power consumption to less than 1W when receiving no horizontal and/or vertical sync signal.

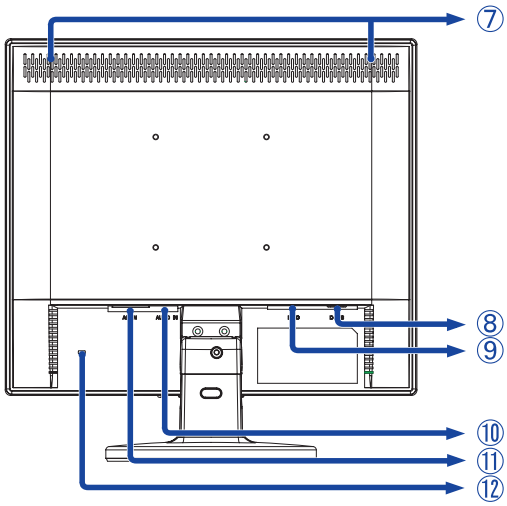
⑦ Speakers
⑧ D-SUB mini 15pin Connector (D-SUB)
⑨ DVI-D 24pin Connector (DVI-D)
⑩ Cable Holder
⑪ Audio Connector (AUDIO IN)
⑫ AC Connector (AC IN)
⑬ Keyhole for Security Lock

NOTE You can fasten a security lock and cable to prevent the monitor from being removed without your permission.

CONTROLS AND CONNECTORS : ProLite E1706S / ProLite E1906S



<Front>



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CONNECTING YOUR MONITOR : ProLite B1706S / ProLite B1906S

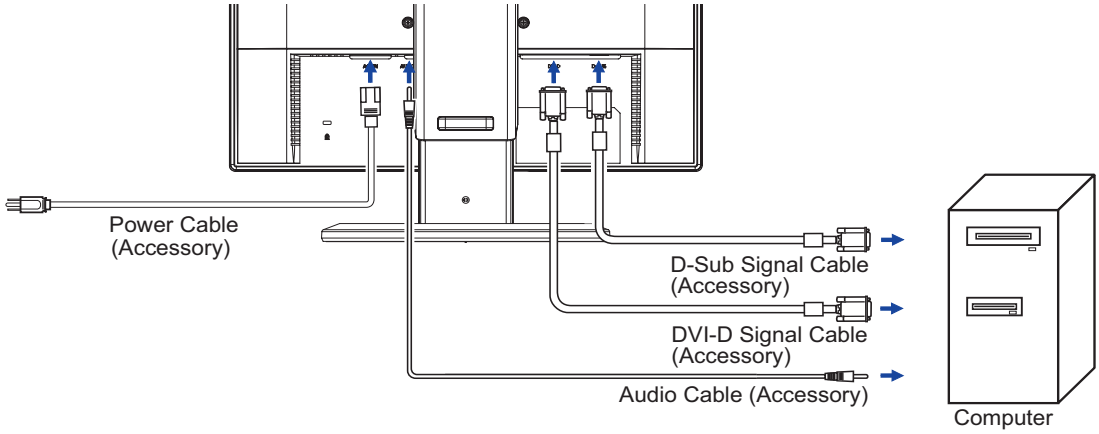
① Ensure that both the computer and the monitor are switched off.
② Connect the computer to the monitor with the signal cable.
③ Connect the monitor to the audio equipment with the Audio Cable for computer when using the audio features.
④ Connect the Power Cable to the monitor first and then to the power supply.
⑤ Power of the monitor and the computer is turned on.

NOTE

- The signal cables used for connecting the computer and monitor may vary with the type of computer used. An incorrect connection may cause serious damage to both the monitor and the computer. The cable supplied with the monitor is for a standard 15 pin D-Sub connector. If a special cable is required please contact your local iiyama dealer or regional iiyama office.
- For connection to Macintosh computers, contact your local iiyama dealer or regional iiyama office for a suitable adaptor.
- Make sure you tighten the finger screws at each end of the signal cable.

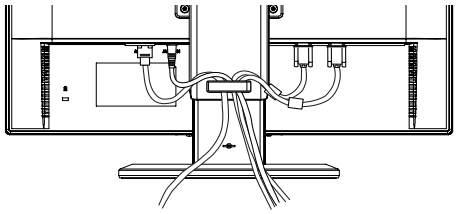
[Example of Connection]

<Back>



[Collect Cables]

① Put the cables through the cable holder.
② Collect cables at the back of the stand.



ENGLISH

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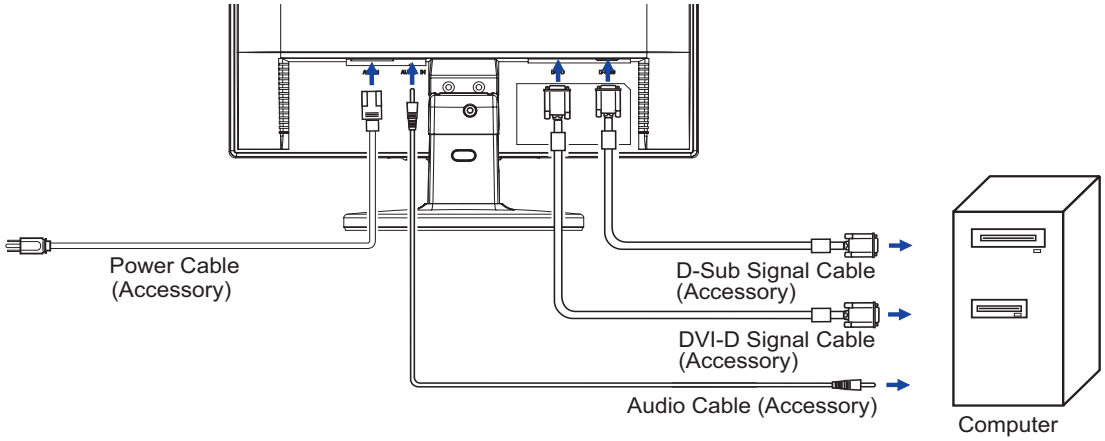


COMPUTER SETTING

■ Signal Timing

Change to the desired signal timing listed on page 32: COMPLIANT TIMING.

■ Windows 95/98/2000/Me/XP/Vista Plug & Play

The iiyama LCD monitor complies with DDC2B of VESA standard. The Plug & Play function runs on Windows 95/98/2000/Me/XP/Vista by connecting the monitor to DDC2B compliant computer with the Signal Cable supplied.

For installation on Windows 95/98/2000/Me/XP: The monitor Information File for iiyama monitors may be necessary for your computer and obtained via the Internet, using the address:

http://www.iiyama.com

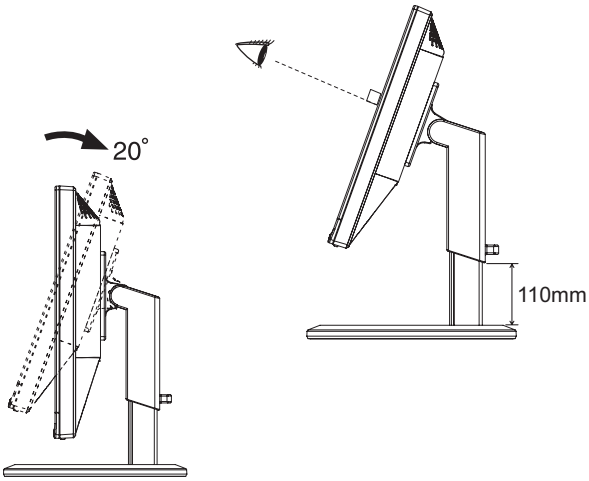
NOTE

■ For additional information on how to download the driver for your touch screen monitor, please access the internet site noted above.

■ Monitor Drivers are not required in most cases for Macintosh or Unix operating systems. For further information, please contact your computer dealer first for advice.

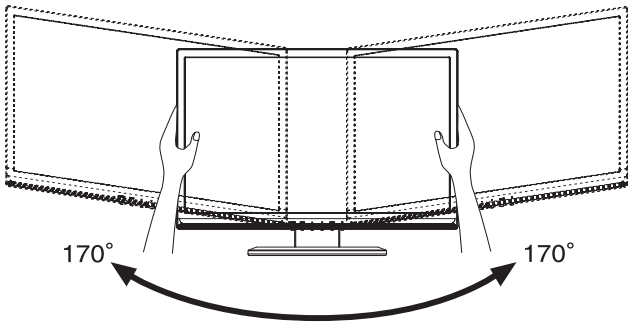
ADJUSTING THE HEIGHT AND THE VIEWING ANGLE : ProLite B1706S / ProLite B1906S

- For optimal viewing it is recommended to position yourself directly opposite to the full face of the monitor, then adjust the monitor's height and angle to your own preference.
- Hold the panel so that the monitor does not topple when you change the monitor's height or angle.
- You are able to adjust the monitor's height up to 110mm, angle up to 170 degrees right and left, 20 degrees upward.



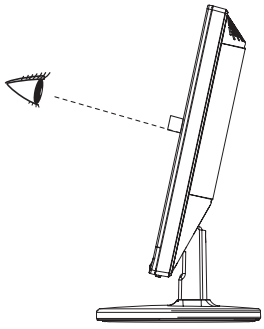
NOTE

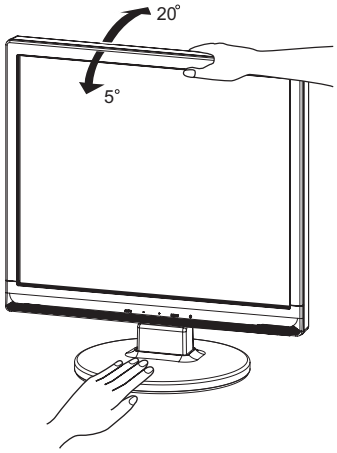
- Do not touch the LCD screen when you change the height or the angle. It may cause damage or break the LCD screen.
- Careful attention is required not to catch your fingers or hands when you change the height or the angle.



ADJUSTING THE VIEWING ANGLE : ProLite E1706S / ProLite E1906S

- For optimal viewing it is recommended to look at the full face of the monitor.
- Hold the stand so that the monitor does not topple when you change the monitor's angle.
- You are able to adjust the monitor's angle up to 20 degrees upward, 5 degrees downward.
- In order to ensure a healthy and relaxed body position when using the monitor at visual display workstations, it is recommended that the adjusted tilt angle should not exceed 10 degrees. Adjust the monitor's angle to your own preference.





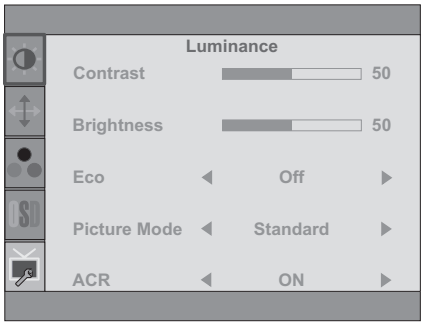
NOTE

- Do not touch the LCD screen when you change the angle. It may cause damage or break the LCD screen.
- Careful attention is required not to catch your fingers or hands when you change the angle.

OPERATING THE MONITOR

To create the best picture, your iiyama LCD monitor has been preset at the factory with the COMPLIANT TIMING shown on page 32. You are also able to adjust the picture by following the button operation shown below. For more detailed adjustments, see page 21 for SCREEN ADJUSTMENTS.

① **Press the MENU Button to start the On Screen Display feature. There are additional Menu items which can be switched by using the + / - Buttons.**

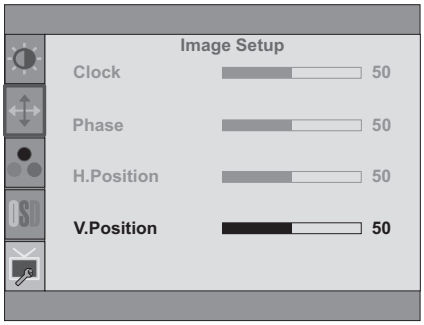


② **Select the Menu item which contains the adjustment icon relating to the adjustment you want to make. Press the MENU Button. Then, use the + / - Buttons to highlight the desired adjustment icon.**

③ **Press the MENU Button again. Use the + / - Buttons to make the appropriate adjustment or setting.**

④ **Press the AUTO Button to leave the menu, and the settings you just made would be automatically saved.**

For example, to correct for vertical position, select Menu item of Image Setup and then press the MENU Button. Then, select V.Position by using the + / - Buttons.
An adjustment page appears after you press the MENU Button. Then, use the + / - Buttons to change the vertical position settings. The vertical position of the overall display should be changing accordingly while you are doing this.
Press the AUTO Button lastly, it ends, any changes are saved in the memory.

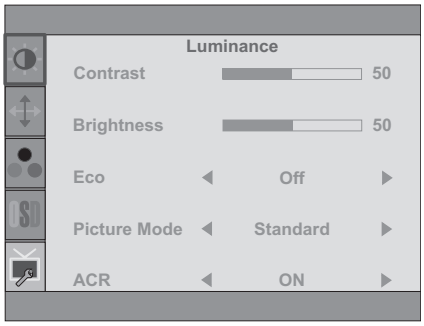


NOTE

- When button operations are aborted during adjustment, On-Screen Display disappears when the time set for the Time out has passed. Also, the AUTO button can be used to return previous menu and turn off the On-Screen Display.
- Any changes are automatically saved in the memory when the On Screen Display disappears. Turning off the power should be avoided while using the Menu.
- Adjustments for H. / V. Position, Clock and Phase are saved for each signal timing. Except for these adjustments, all other adjustments have only one setting which applies to all signal timings.

ADJUSTMENT MENU CONTENTS

Luminance



Adjustment Item	Problem / Option	Button to Press
Contrast	Too dull Too intense	
Brightness *	Too dark Too bright	
Eco **Direct**	Off	Normal
	Mode1	Brightness of back-light is reduced.
	Mode2	Brightness of back-light is reduced more than Mode1.
	Mode3	Brightness of back-light is reduced more than Mode2.
Picture Mode	Standard	For general windows environment and monitor default setting.
	Text	For text editing and viewing in a word processing environment.
	Internet	For internet environment.
	Game	For PC game environment.
	Movie	For movie and video environment.
	Sport	For sport environment.
ACR	On	Increased Contrast Ratio
	Off	Typical Contrast Ratio

NOTE ACR adjusts brightness according to the image, and improve the contrast ratio during move playing.
Contrast, Brightness, sRGB, Eco and Picture Mode cannot be adjusted and selected while ACR is active.

* Adjust the Brightness when you are using the monitor in a dark room and feel the screen is too bright.

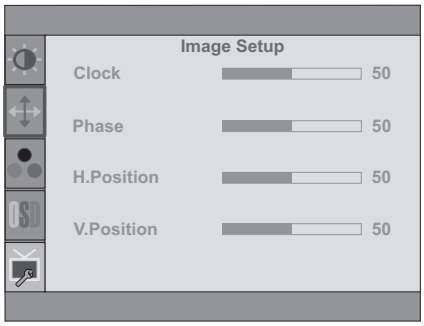
Direct

You can skip the Menu items and display an adjustment scale directly by using the following button operations.

- ECO: Press the - Button when the Menu is not displayed.

Image Setup

Only Analog Input



Adjustment Item	Problem / Option	Button to Press
Clock*	Too narrow Too wide	+ / −
Phase*	To correct flickering text or lines	+ / −
H. Position	Too left Too right	+ / −
V. Position	Too low Too high	+ / −

* See page 21 for SCREEN ADJUSTMENTS.

Color Temp.

Adjustment Item	Problem / Option		Button to Press
Gamma	Mode1	Normal	
	Mode2	Dark	
	Mode3	High contrast	
Color Temp.	Warm	Greenish white	
	Normal	Yellowish white	
	Cool	Bluish white	
	User	User-R	Too weak (+)
		User-G	
		User-B	Too strong (−)
	sRGB	sRGB	

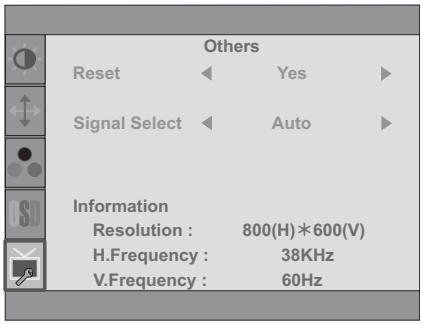
NOTE

- sRGB is an international standard which defines and unifies the difference of color appearance between equipment.
- You can not adjust the Brightness, Contrast, Gamma and Eco during sRGB mode because those settings are locked.

OSD Setup

Adjustment Item	Problem / Option				Button to Press
H.Position	OSD is too left OSD is too right				+ / −
V.Position	OSD is too low OSD is too high				+ / −
Timeout	You can set the OSD display duration time between 5 and 60 seconds.				+ / −
Language	English	English	简体中文	Simplified Chinese	
	Deutsch	German	Italiano	Italian	
	Français	French	Русский	Russian	
	Español	Spanish	日本語	Japanese	
	Portuguese	Portuguese			

Others



Adjustment Item	Problem / Option	Button to Press
Reset	Yes	Factory-preset data is restored.
	No	Return to Menu.
Signal Select **Direct**	Auto	Select the signal input automatically.
	D-sub	Select the Analog input.
	DVI-D	Select the Digital input.
NOTE At selected Auto, you can switch the input source by pressing and holding of the AUTO Button for 2-3 seconds, However it will automatically be selected when just one source is using. In Power Management Mode input switching is disabled. Input source is fixed, not selected automatically when D-sub and DVI-D which are selected.		
Information	Displays information regarding the current input signal coming from the graphic card in your computer. **NOTE** See your graphic card user guide for more information about changing the resolution and refresh.	

Direct

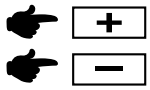
You can skip the Menu items and display an adjustment scale directly by using the following button operations.

- Signal Select: Pressing and holding of the AUTO Button for 2-3 seconds when the Menu is not displayed.

Direct

You can skip the Menu items and display an adjustment scale directly by using the following button operations.

- Volume: Press the + Button when the Menu is not displayed.

Adjustment Item	Problem / Option	Button to Press
Volume	Too soft Too loud	

Only Analog Input

- Auto Adjust: Press the Auto Button when the Menu is not displayed.

Adjustment Item	Problem / Option	Button to Press
Auto Adjust *	Adjust H. / V. Position, Clock and Phase automatically.	

* For best results, use the Auto Adjust in conjunction with the adjustment pattern. See page 16 for SCREEN ADJUSTMENTS.

SCREEN ADJUSTMENTS

Adjust the image by following the procedure below to get the desired picture when selecting Analog input.

- The screen adjustments described in this manual are designed to set image position and minimize flicker or blur for the particular computer in use.
- The monitor is designed to provide the best performance at resolution of 1280 × 1024, but can not provide the best at resolutions of less than 1280 × 1024 because the picture is automatically stretched to fit the full screen. It is recommended to operate at resolution of 1280 × 1024 in normal use.
- Displayed text or lines will be blurred or irregular in thickness when the picture is stretched due to the screen enlargement process.
- It is preferable to adjust the image position and frequency with the monitor controls, rather than the computer software or utilities.
- Perform adjustments after a warm-up period of at least thirty minutes.
- Additional adjustments may be required after the Auto Adjust depending on the resolution or signal timing.
- The Auto Adjust may not work correctly when displaying the picture other than the screen adjustment pattern. In this case, manual adjustments are required.

There are two ways to adjust the screen. One way is automatic adjustment for Position, Clock and Phase. The other way is performing each adjustment manually.
Perform the Auto Adjust first when the monitor is connected to a new computer, or resolution is changed. If the screen has a flicker or blur, or the picture does not fit in the display area after performing the Auto Adjust, manual adjustments are required. Both adjustments should be made by using the screen adjustment pattern (Test.bmp) obtained via the IIYAMA web site (http://www.iiyama.com).

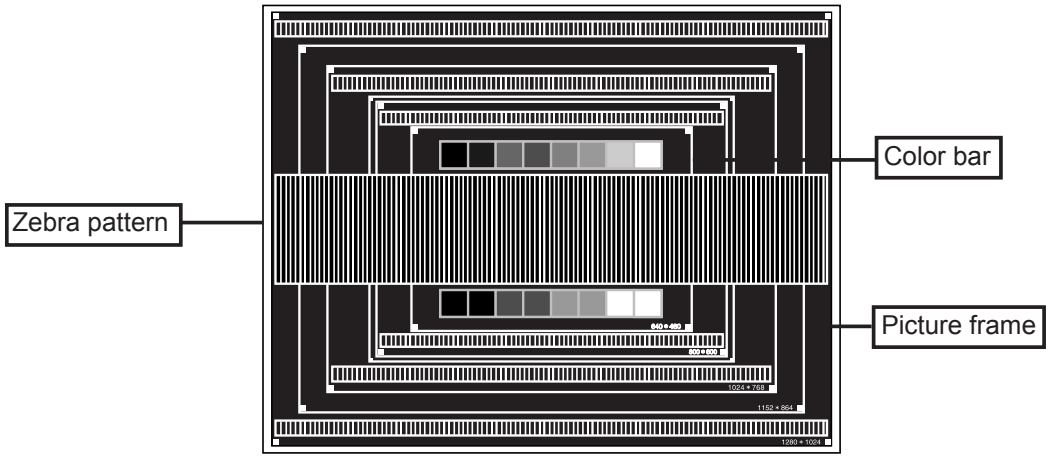
Adjust the image by following the procedure below to get the desired picture.
This manual explains adjustment under Windows 95/98/2000/Me/XP/Vista.

① **Display the picture at the optimum resolution.**

② **Enter the Test.bmp (screen adjustment pattern) to wallpaper.**

NOTE
- Consult the appropriate documentation for doing this.
- Test.bmp is made at resolution of 1280 × 1024. Set the display position to center in the wallpaper setting dialogue box. If you use Microsoft® PLUS! 95/98 cancel the setting of “Stretch desktop wallpaper to fit the screen”.

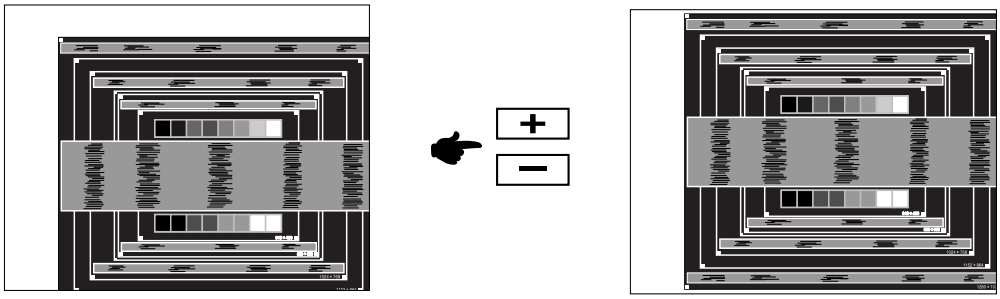
[Adjustment pattern]



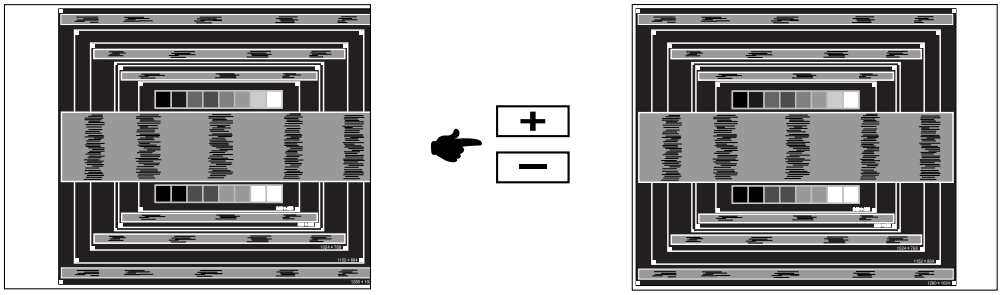
③ **Press the Auto Button. (Auto Adjust)**

④ **Adjust the image manually by following procedure below when the screen has a flicker or blur, or the picture does not fit in the display area after performing the Auto Adjust.**

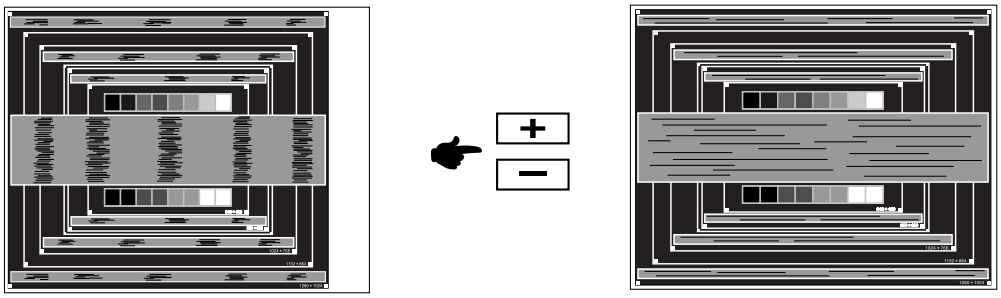
⑤ **Adjust the V.Position so that the top and bottom of the picture frame will fit to the display area.**



⑥ **1) Adjust the H.Position so that the left side of the picture frame will move to the left edge of the display area.**



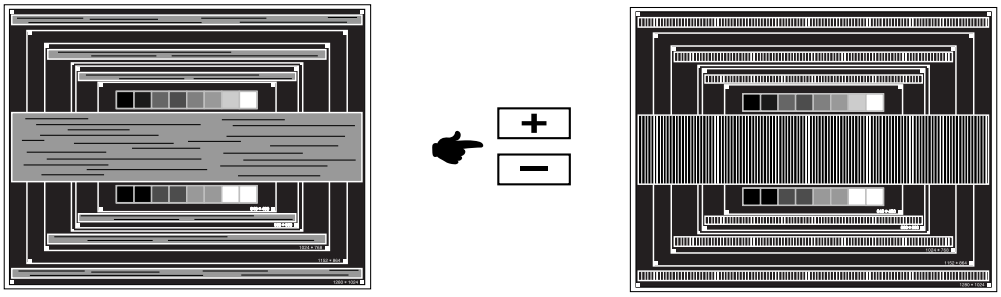
2) Stretch the right side of the picture frame to the right edge of the display area by adjusting the Clock.



NOTE

- When the left side of the picture frame moves apart from the left edge of the display area during the Clock adjustment, adjust steps 1) and 2).
- Another way to make the Clock adjustment is to correct the vertical wavy lines in the zebra pattern.
- The picture may flicker during the Clock, H.Position and V.Position adjustment.
- In case the picture frame is bigger or smaller than the data display area after the Clock adjustment, repeat steps from ③.

⑦ **Adjust the Phase to correct horizontal wavy noise, flicker or blur in the zebra pattern.**



NOTE

- In case the strong flicker or blurs remain on a part of the screen, repeat steps ⑥ and ⑦ because the Clock may not be adjusted correctly. If the flicker or blurs still remain, set the refresh rate of computer to low (60Hz) and repeat steps from ③ again.
- Adjust the H.Position after the Phase adjustment if the horizontal position moves during the adjustment.

⑧ **Adjust the Brightness and Color to get the desired picture after you complete the Clock and Phase adjustments.**
Put back your favorite wallpaper.

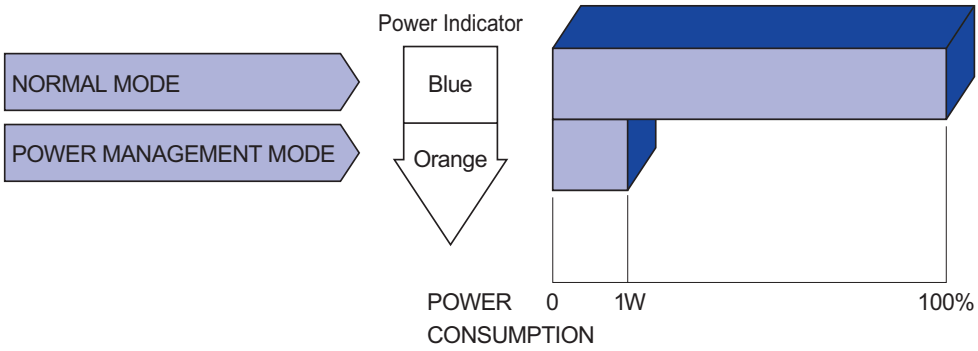
POWER MANAGEMENT FEATURE

The power management feature of this product complies with power saving requirement of ENERGY STAR® and VESA DPMS. When activated, it automatically reduces unnecessary power consumption of the monitor when your computer is not in use.

To use the feature, the monitor needs to be connected to a VESA DPMS compliant computer. There is a power management step the monitor takes as described below. The power management function, including any timer settings is configured by the operating system. Check your operating system manual for information on how this can be configured.

■ Power Management Mode

When the H-sync signal / V-sync signal / H and V sync signals from the computer are off, the monitor enters into Power Management Mode which reduces the power consumption to less than 1W. The screen becomes dark, and the power indicator turns to orange. From Power Management Mode, the image reappears in several seconds when either the keyboard or the mouse are touched again.



NOTE

■ Even when using the power management mode, the monitor consumes electricity. Turn off the Power Switch whenever the monitor is not in use, during the night and weekends, to avoid unnecessary power consumption.

■ It is possible that the video signal from the computer may be on while the H or V sync signal is missing. In this instance, the POWER MANAGEMENT feature may not work properly.

TROUBLE SHOOTING

If the monitor fails to operate correctly, please follow the steps below for a possible solution.

1. Perform the adjustments described in OPERATING THE MONITOR, depending on the problem you have. If the monitor does not get a picture, skip to 2.
2. Consult the following items if you cannot find an appropriate adjustment item in OPERATING THE MONITOR or if the problem persists.
3. If you are experiencing a problem which is not described below or you cannot correct the problem, discontinue using the monitor and contact your dealer or iiyama service center for further assistance.

Problem	Check
① The picture does not appear.	
(Power indicator does not light up.)	☐ The Power Cable is firmly seated in the socket. ☐ The Power Switch is turned ON. ☐ The AC socket is live. Please check with another piece of equipment.
(Power indicator is blue.)	☐ If the blank screen saver is in active mode, touch the keyboard or the mouse. ☐ Increase the Contrast and/or Brightness. ☐ The computer is ON. ☐ The Signal Cable is properly connected. ☐ The signal timing of the computer is within the specification of the monitor.
(Power indicator is orange.)	☐ If the monitor is in power management mode, touch the keyboard or the mouse. ☐ The computer is ON. ☐ The Signal Cable is properly connected. ☐ The signal timing of the computer is within the specification of the monitor.
② The screen is not synchronized.	☐ The Signal Cable is properly connected. ☐ The signal timing of the computer is within the specification of the monitor. ☐ The video output level of the computer is within the specification of the monitor.
③ The screen position is not in the center.	☐ The signal timing of the computer is within the specification of the monitor.
④ The screen is too bright or too dark.	☐ The video output level of the computer is within the specification of the monitor.
⑤ The screen is shaking.	☐ The power voltage is within the specification of the monitor. ☐ The signal timing of the computer is within the specification of the monitor.

Problem	Check
⑥ No sound.	☐ The audio equipment (computer etc.) is ON. ☐ The Audio Cable is properly connected. ☐ The Volume is turned up. ☐ The Mute is OFF. ☐ The audio output level of the audio equipment is within the specification of the monitor.
⑦ The sound is too loud or too quiet.	☐ The audio output level of the audio equipment is within the specification of the monitor.
⑧ A strange noise is heard.	☐ The Audio Cable is properly connected.

RECYCLING INFORMATION

For better environment protection please don't dispose your monitor.

Please visit our web site: www.iiyama.com/recycle for monitor recycling.

APPENDIX

SPECIFICATIONS : ProLite B1706S

Size Category		17"
LCD Panel	Driving system	a-Si TFT Active Matrix
	Size	Diagonal: 17" (43cm)
	Pixel pitch	0.264mm H × 0.264mm V
	Brightness	250cd/m^2 (Typical)
	Contrast ratio	800 : 1 (Typical), ACR Function Available
	Viewable angle	Right / Left : 85 degrees each, Up : 75 degrees, Down: 80 degrees (Typical)
	Response time	5ms (Black, White, Black)
Display Colors		Approx.16.7M
Sync Frequency		Analog: Horizontal: 24.0-80.0kHz, Vertical: 55-75Hz Digital: Horizontal: 30.0-80.0kHz, Vertical: 55-75Hz
Maximum Resolution		1280 × 1024, 1.3 MegaPixels
Input Connector		D-Sub mini 15 pin, DVI-D 24 pin
Plug & Play		VESA DDC2B™
Input Sync Signal		Separate sync: TTL, Positive or Negative
Input Video Signal		Analog: 0.7Vp-p (Standard), 75Ω, Positive Digital: DVI (Digital Visual Interface Standard Rev.1.0) compliance
Input Audio Connector		ø 3.5mm mini jack (Stereo)
Input Audio Signal		1.0Vrms maximum
Speakers		1W × 2 (Stereo speakers)
Maximum Screen Size		337.9mm W × 270.3mm H / 13.3" W × 10.6" H
Power Source		100-240VAC, 50/60Hz, 1.5A
Power Consumption		20W typical, Power management mode: 1W maximum*
Dimensions / Net Weight		371.5 × 385.5-495.5 × 249.5mm / 14.6 × 15.2-19.5 × 9.8" (W×H×D) 5.7kg / 12.6lbs
Tilt Angle		Upward: 20 degrees Left / Right: 170 degrees each
Environmental Considerations		Operating: Temperature 5 to 35°C / 41 to 95°F Humidity 10 to 80% (No condensation) Storage: Temperature -20 to 60°C / -4 to 140°F Humidity 5 to 85% (No condensation)
Approvals		TCO '03, CE, TÜV-GS, VCCI-B

NOTE * Condition: Audio equipment is not connected.

SPECIFICATIONS : ProLite E1706S

Size Category		17"
LCD Panel	Driving system	a-Si TFT Active Matrix
	Size	Diagonal: 17" (43cm)
	Pixel pitch	0.264mm H × 0.264mm V
	Brightness	250cd/m^2 (Typical)
	Contrast ratio	800 : 1 (Typical), ACR Function Available
	Viewable angle	Right / Left : 85 degrees each, Up : 75 degrees, Down: 80 degrees (Typical)
	Response time	5ms (Black, White, Black)
Display Colors		Approx.16.7M
Sync Frequency		Analog: Horizontal: 24.0-80.0kHz, Vertical: 55-75Hz Digital: Horizontal: 30.0-80.0kHz, Vertical: 55-75Hz
Maximum Resolution		1280 × 1024, 1.3 MegaPixels
Input Connector		D-Sub mini 15 pin, DVI-D 24 pin
Plug & Play		VESA DDC2B™
Input Sync Signal		Separate sync: TTL, Positive or Negative
Input Video Signal		Analog: 0.7Vp-p (Standard), 75Ω, Positive Digital: DVI (Digital Visual Interface Standard Rev.1.0) compliance
Input Audio Connector		ø 3.5mm mini jack (Stereo)
Input Audio Signal		1.0Vrms maximum
Speakers		1W × 2 (Stereo speakers)
Maximum Screen Size		337.9mm W × 270.3mm H / 13.3" W × 10.6" H
Power Source		100-240VAC, 50/60Hz, 1.5A
Power Consumption		20W typical, Power management mode: 1W maximum*
Dimensions / Net Weight		371.5 × 382.5 × 190.0mm / 14.6 × 15.1 × 7.5" (W×H×D) 3.6kg / 7.9lbs
Tilt Angle		Upward: 20 degrees Downward: 5 degrees
Environmental Considerations		Operating: Temperature 5 to 35°C / 41 to 95°F Humidity 10 to 80% (No condensation) Storage: Temperature -20 to 60°C / -4 to 140°F Humidity 5 to 85% (No condensation)
Approvals		TCO '03, CE, TÜV-GS, VCCI-B

NOTE * Condition: Audio equipment is not connected.

SPECIFICATIONS : ProLite B1906S

Size Category		19"
LCD Panel	Driving system	a-Si TFT Active Matrix
	Size	Diagonal: 19" (48cm)
	Pixel pitch	0.294mm H × 0.294mm V
	Brightness	250cd/m^2 (Typical)
	Contrast ratio	800 : 1 (Typical), ACR Function Available
	Viewable angle	Right / Left : 80 degrees each, Up : 75 degrees, Down: 80 degrees (Typical)
	Response time	5ms (Black, White, Black)
Display Colors		Approx.16.7M
Sync Frequency		Analog: Horizontal: 24.0-80.0kHz, Vertical: 55-75Hz Digital: Horizontal: 30.0-80.0kHz, Vertical: 55-75Hz
Maximum Resolution		1280 × 1024, 1.3 MegaPixels
Input Connector		D-Sub mini 15 pin, DVI-D 24 pin
Plug & Play		VESA DDC2B™
Input Sync Signal		Separate sync: TTL, Positive or Negative
Input Video Signal		Analog: 0.7Vp-p (Standard), 75Ω, Positive Digital: DVI (Digital Visual Interface Standard Rev.1.0) compliance
Input Audio Connector		ø 3.5mm mini jack (Stereo)
Input Audio Signal		1.0Vrms maximum
Speakers		1W × 2 (Stereo speakers)
Maximum Screen Size		376.3mm W × 301.1mm H / 14.8" W × 11.9" H
Power Source		100-240VAC, 50/60Hz, 1.5A
Power Consumption		22W typical, Power management mode: 1W maximum*
Dimensions / Net Weight		409.0 × 415.0-525.0 × 249.5mm / 16.1 × 16.3-20.7 × 9.8" (W×H×D) 6.1kg / 13.4lbs
Tilt Angle		Upward: 20 degrees Left / Right: 170 degrees each
Environmental Considerations		Operating: Temperature 5 to 35°C / 41 to 95°F Humidity 10 to 80% (No condensation) Storage: Temperature -20 to 60°C / -4 to 140°F Humidity 5 to 85% (No condensation)
Approvals		TCO '03, CE, TÜV-GS, VCCI-B

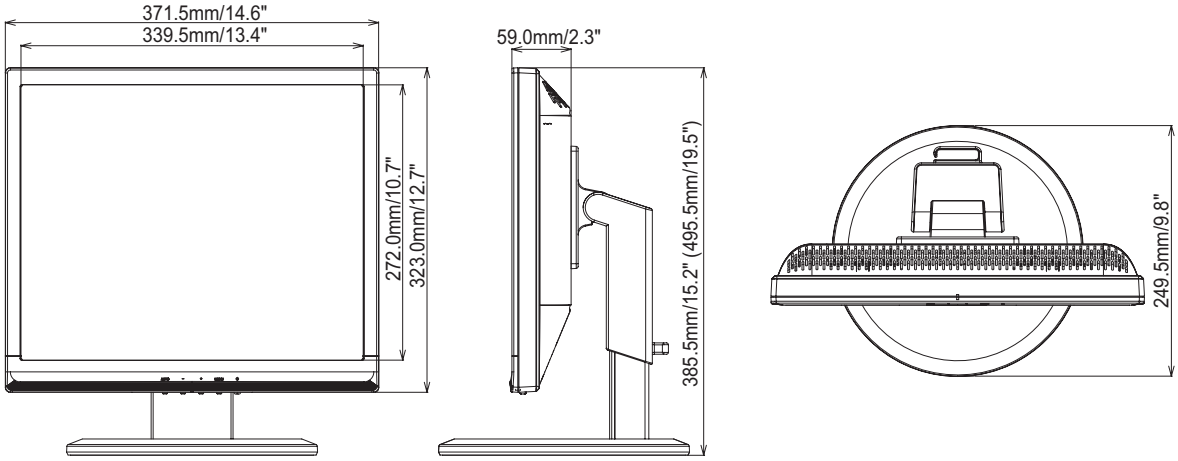
NOTE * Condition: Audio equipment is not connected.

SPECIFICATIONS : ProLite E1906S

Size Category		19"
LCD Panel	Driving system	a-Si TFT Active Matrix
	Size	Diagonal: 19" (48cm)
	Pixel pitch	0.294mm H × 0.294mm V
	Brightness	250cd/m^2 (Typical)
	Contrast ratio	800 : 1 (Typical), ACR Function Available
	Viewable angle	Right / Left : 80 degrees each, Up : 75 degrees, Down: 80 degrees (Typical)
	Response time	5ms (Black, White, Black)
Display Colors		Approx.16.7M
Sync Frequency		Analog: Horizontal: 24.0-80.0kHz, Vertical: 55-75Hz Digital: Horizontal: 30.0-80.0kHz, Vertical: 55-75Hz
Maximum Resolution		1280 × 1024, 1.3 MegaPixels
Input Connector		D-Sub mini 15 pin, DVI-D 24 pin
Plug & Play		VESA DDC2B™
Input Sync Signal		Separate sync: TTL, Positive or Negative
Input Video Signal		Analog: 0.7Vp-p (Standard), 75Ω, Positive Digital: DVI (Digital Visual Interface Standard Rev.1.0) compliance
Input Audio Connector		ø 3.5mm mini jack (Stereo)
Input Audio Signal		1.0Vrms maximum
Speakers		1W × 2 (Stereo speakers)
Maximum Screen Size		376.3mm W × 301.1mm H / 14.8" W × 11.9" H
Power Source		100-240VAC, 50/60Hz, 1.5A
Power Consumption		22W typical, Power management mode: 1W maximum*
Dimensions / Net Weight		409.0 × 412.5 × 211.5mm / 16.1 × 16.2 × 8.3" (W×H×D) 4.2kg / 9.3lbs
Tilt Angle		Upward: 20 degrees Downward: 5 degrees
Environmental Considerations		Operating: Temperature 5 to 35°C / 41 to 95°F Humidity 10 to 80% (No condensation) Storage: Temperature -20 to 60°C / -4 to 140°F Humidity 5 to 85% (No condensation)
Approvals		TCO '03, CE, TÜV-GS, VCCI-B

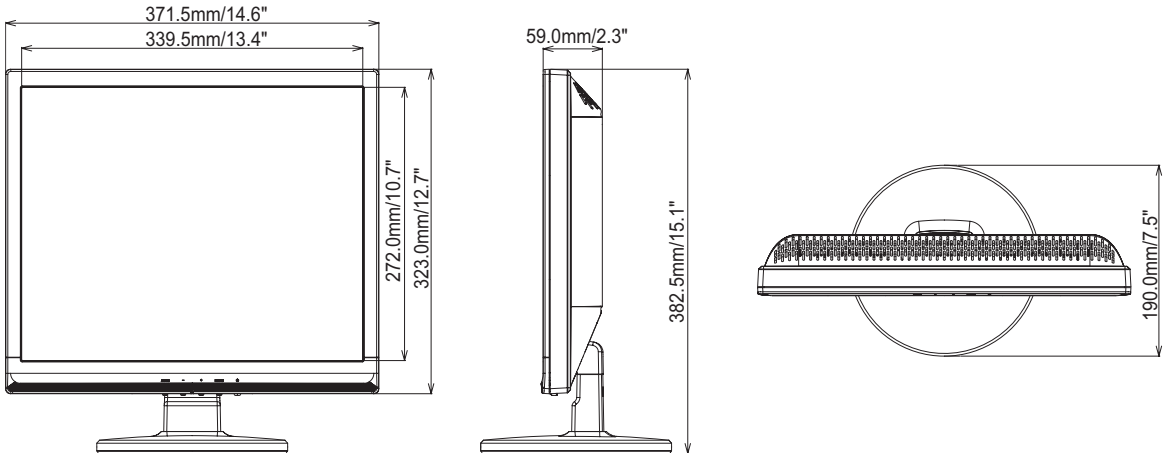
NOTE * Condition: Audio equipment is not connected.

DIMENSIONS : ProLite B1706S

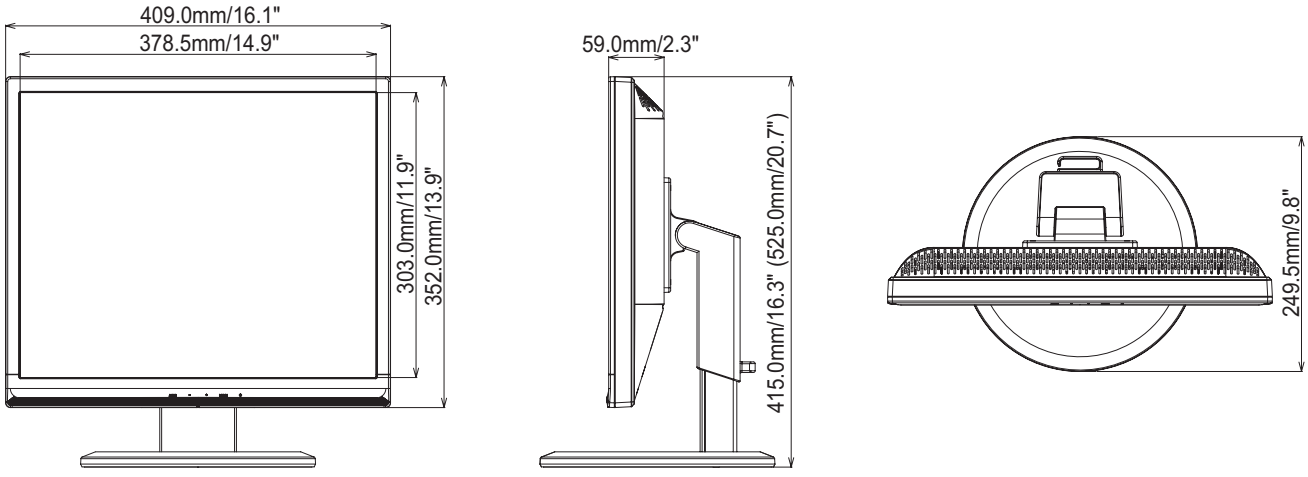


( ): Maximum adjustment range

DIMENSIONS : ProLite E1706S

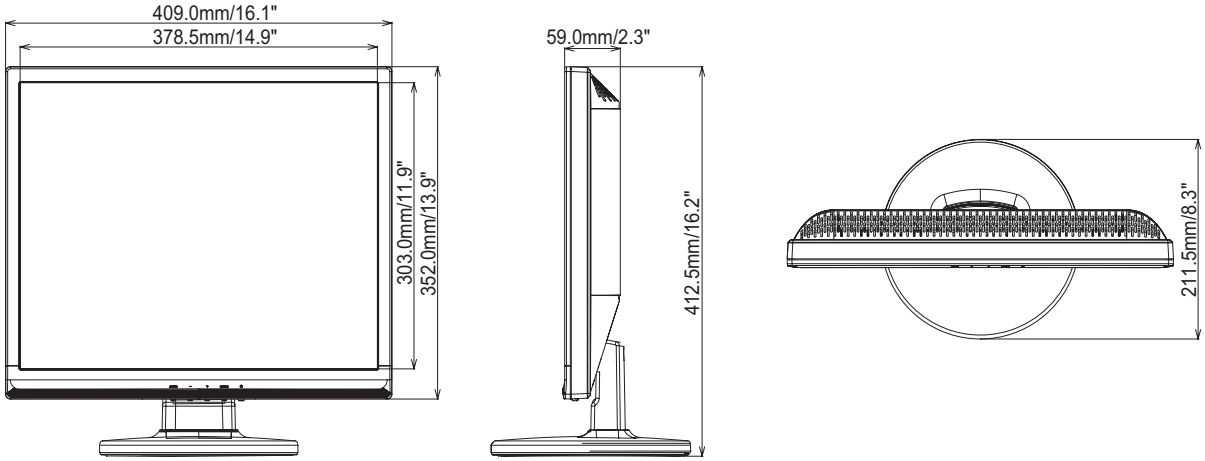


DIMENSIONS : ProLite B1906S



( ): Maximum adjustment range

DIMENSIONS : ProLite E1906S



COMPLIANT TIMING

Video Mode			Horizontal Frequency	Vertical Frequency	Dot Clock	
VESA	VGA	640 × 480	31.469kHz	59.940Hz	25.175MHz	
			37.500kHz	75.000Hz	31.500MHz	
			37.861kHz	72.809Hz	31.500MHz	
	SVGA	800 × 600	35.156kHz	56.250Hz	36.000MHz	
			37.879kHz	60.317Hz	40.000MHz	
			46.875kHz	75.000Hz	49.500MHz	
			48.077kHz	72.188Hz	50.000MHz	
	XGA	1024 × 768	48.363kHz	60.004Hz	65.000MHz	
			56.476kHz	70.069Hz	75.000MHz	
			60.023kHz	75.029Hz	78.750MHz	
	SXGA	1280 × 1024	63.981kHz	60.020Hz	108.000MHz	
			79.976kHz	75.025Hz	135.000MHz	
Macintosh		640 × 480	35.000kHz	66.667Hz	30.240MHz	*
		832 × 624	49.725kHz	74.500Hz	57.283MHz	*
		1024 × 768	60.150kHz	74.720Hz	80.000MHz	*
PC9801		640 × 400	24.827kHz	56.424Hz	21.053MHz	*

NOTE * Digital input is not compliant.